

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/015640

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G03F7/031

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 5 030 548 A (FUJIKURA ET AL) 9 July 1991 (1991-07-09) column 1, lines 62-65; claims; examples 1-6 | 1, 4, 6-9 |
| X | US 5 096 799 A (FUJIKURA ET AL) 17 March 1992 (1992-03-17) column 1, line 12; examples 1-7 | 1, 4, 6-9 |
| X | US 5 780 203 A (SATO ET AL) 14 July 1998 (1998-07-14) example 1; tables 1, 6, 10, 12, 14, 21, 22 | 1-4, 8, 9 |
| X | US 5 397 678 A (SATO ET AL) 14 March 1995 (1995-03-14) the whole document | 1-4, 8, 9 |

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

21 April 2005

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06/05/2005

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Information on patent family members

International Application No

PCT/JP2004/015640

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|---|---|---------------------|----|----------------------------|--|---------------------|
| US 5030548 | A | 09-07-1991 | JP | 2048664 A | | 19-02-1990 |
| | | | JP | 8020733 B | | 04-03-1996 |
| | | | DE | 3926667 A1 | | 15-02-1990 |
| <hr/> | | | | | | |
| US 5096799 | A | 17-03-1992 | JP | 2699015 B2 | | 19-01-1998 |
| | | | JP | 3205404 A | | 06-09-1991 |
| <hr/> | | | | | | |
| US 5780203 | A | 14-07-1998 | JP | 3204795 B2 | | 04-09-2001 |
| | | | JP | 6324296 A | | 25-11-1994 |
| | | | JP | 3308038 B2 | | 29-07-2002 |
| | | | JP | 6059119 A | | 04-03-1994 |
| | | | JP | 3346647 B2 | | 18-11-2002 |
| | | | JP | 7028236 A | | 31-01-1995 |
| | | | US | 5489621 A | | 06-02-1996 |
| | | | JP | 3323677 B2 | | 09-09-2002 |
| <hr/> | | | | | | |
| US 5397678 | A | 14-03-1995 | JP | 2794242 B2 | | 03-09-1998 |
| | | | JP | 5173320 A | | 13-07-1993 |
| | | | DE | 4243912 A1 | | 14-10-1993 |
| | | | US | 5409800 A | | 25-04-1995 |
| <hr/> | | | | | | |